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Approved For Release 2004/03/26 : CIA-RDP78B04747A002200020035-8

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C E R T I F I E D

Ref: 635-OD-111

16 March 1966

Post Office Box 8031  
Southwest Station  
Washington, D.C. 20024

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Subject: [ ] Progress Report -  
January/February 1966  
Project 635

Gentlemen,

In accordance with contract provisions on the above project, we are enclosing three (3) copies of [ ] Progress Report on Project 635 for the period January/February 1966. Also included are two (2) copies of our Financial Report for this period.

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Very truly yours,

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[ ]  
Executive Vice President/

LHBde

DECLASS REVIEW by NIMA/DOD

Enc: (3) P.R.  
(2) F.R.

Cert. #205635

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## 635 PROGRESS REPORT

Period Covered: January-February 1965

Document No.: OD-109

Dated: 16 March 1965

PRESENT STATUS

Design and detailing is approximately 80% completed. Fabrication has not yet begun.

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The damaged [ ] Microscope was shipped to [ ]  
[ ] for repair.

PROBLEM AREAS

Power Assisted Drive - Manufacturing releases are currently being held pending successful demonstration of the power assist circuit. A breadboard of a similar power assist was demonstrated in mid-February, but the customer's representative felt that the operation at low speeds was not as smooth as he would like. Consequently, work is progressing to improve the performance. It is planned to demonstrate the power assist again in the near future.

Tracking Light Sources - The tracking light sources employ magnetic couplings to maintain the high intensity spots under the microscope objectives. The spacing between the master and the slave magnets must accommodate two thicknesses of glass (the bottom support glass and the pressure platen) and include the space needed to raise the pressure platen. This requires that the

635 - OD-109

size of the magnets be substantial and consequently, each blocks out about 6 square inches of format. This problem and the problem of where to store the magnets when not in use has not been solved.

#### PROJECTED WORK FOR MARCH

It is expected that approval of the power assist design will be obtained and that manufacturing will commence. It is estimated that 80% of the fabricated parts will be released and 50% of the purchased material ordered. No assemblies will be started.

#### SUMMARY OF CORRESPONDENCE

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Meeting at [ ]  
[ ] and E.D.

February 10-11 between

The 635 design was reviewed and the following discussed.

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Customer representative was concerned with the fact that the tracking light source would move only in X and Y direction, but would not follow the small angular adjustments of the rhomboids. After discussing the possibility of attaching the master magnets directly to the rhomboids, customer's representative decided that he would like to see the size of the light spot increased from 1/2 to 1 inch. [ ] indicated that this would be explored further.

Customer's representative said he would like a time delay on the actuation of the holddown platen of about one second after the handwheel came to rest. [ ] indicated this could be done.

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Customer requested that the knee clearance cutout be increased from 12 to 20 inches. [ ] said this would be done.

#### FINANCIAL REPORTS

Financial reports for December and January are included.  
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